

## EGS99 ABSTRACT

1. PS12 Major scientific achievements by the Galileo mission to Jupiter
2. First Submission
3. THE CASSINI/HUYGENS FLYBY OF JUPITER
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5. No subsessions.
6. Convener: T.V. Johnson (Pasadena, CA), Co-Convener: W.H. Ip (Taiwan)
7. Standard.
8. NONE
9. ORAL
10. WORD97, ATTACHED
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### THE CASSINI/HUYGENS FLYBY OF JUPITER

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At the end of the year 2000 the Cassini/Huygens spacecraft will fly by the planet Jupiter at a range of  $\sim 137$  jovian radii. A preliminary assessment has indicated that the instruments aboard Cassini/Huygens can make measurements that will make unique contributions to studies of the jovian system. In this presentation we will discuss the status of the plans for observations of the jovian system by Cassini/Huygens. We shall also consider the possibilities for observations carried out in cooperation with the Galileo spacecraft presently in orbit about Jupiter, with other spacecraft, and with various observatories on the ground. (The JPL portion of this work has been carried out under contract with NASA.)